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Description

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Add-drop multiplexing device and optical wavelength division multiplex transmission system

The invention relates to add-drop multiplexing devices and an optical wavelength division multiplex (WDM) transmission system realized with these devices.

In purely optical WDM networks, transmission channels 10 with different wavelengths are used for establishing the request of connections. Αt connections between any desired connecting points are to be made available by the network operator. establish these connections, until now electronically 15 operating cross-connectors/connecting-through devices The same principle can also be used in were used. principle for purely optically operating networks. However, here the use of remote-configurable optical devices is problematical and very costswitching 20 intensive.

It is therefore an object of the invention to provide an add-drop multiplexing device and a WDM transmission system which can be realized with lower expenditure.

This object is achieved by an add-drop multiplexer according to patent claim 1. An associated transmission system is specified in an independent claim. Advantageous developments are specified in the subclaims.

In the invention, a modular design is used, allowing to be used according module types different Generally, only a small number of the requirements. frequently be connections have to switched while generally the majority of reconfigured, be and never have to static are connections

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